

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Previously presented) A fuel injector (2), comprising: a chamber (7) with a fuel inlet (8) and a plurality of fuel outlets (1); and

a fuel distributor (18) arranged in the chamber (7) to distribute fuel introduced into the chamber (7) via the fuel inlet (8) to the outlets (10), said chamber (7) being delimited by at least one side wall (16) provided with said fuel inlet (8) and a first end wall (17) provided with said fuel outlets (10), wherein the fuel distributor (18) comprises a generally rotary symmetric distributor body (19) extending towards the first end wall (17) and ends at a given distance from the first end wall (17) and thereby being positioned in front of the fuel inlet (8) and cover the fuel inlet (8) when projected on the side wall (16).

2. (Previously presented) A fuel injector according to claim 1, wherein said fuel distributor (18) defines a lid or plug that forms an end wall (21) in relation thereto.

3. (Previously presented) A fuel injector according to claim 2, wherein the fuel inlet (8) is provided in the side wall (16) and that the outlets (10) are provided in an end wall (17).

4. (Previously presented) A fuel injector according to claim 3, wherein the fuel outlets (10) are provided in an end wall (17) opposite to an end wall (21) that is formed by the fuel distributor (18) or to which the fuel distributor (18) is attached.

5. (Previously presented) A fuel injector according to claim 1, wherein a side wall (16) forms a cylinder that has a generally circular inner periphery.

6. (Previously presented) A fuel injector according to claim 5, wherein the distributor body (19) is concentric with the cylinder (16).

7. (Previously presented) A fuel injector according to any one of claims 1-6, wherein the distributor body (19) is located in front of the fuel inlet (8) and covers the fuel inlet (8).

8. (Previously presented) A method of manufacturing a fuel injector comprising a chamber (7) with a fuel inlet (8) and a plurality of fuel outlets (1) and a fuel distributor (18) arranged in the chamber (7) to distribute fuel introduced into the chamber (7) via the fuel inlet (8) to the outlets (10), said chamber (7) being delimited by at least one side wall (16) provided with said fuel inlet (8) and a first end wall (17) provided with said fuel outlets (10), wherein the fuel distributor (18) comprises a generally rotary symmetric distributor body (19) extending towards the first end wall (17) and ends at a given distance from the first end wall (17) and thereby being positioned in front of the fuel inlet (8) and cover the fuel inlet (8) when projected on the side wall (16) and the distributor body (19) is produced by subjecting a work piece to a turning operation.

9. (Previously presented) A method according to claim 8, wherein the distributor body (19) is formed to its final shape by the turning operation.

10. (Previously presented) A method according to claim 8 or 9, wherein the fuel distributor (18) is attached to an adjacent side wall (16) of the fuel injector (1) by means of welding or brazing.

11. (Previously presented) An engine comprising:

a combustion chamber including a fuel injector (2) comprising a chamber (7) with a fuel inlet (8) and a plurality of fuel outlets (1) and a fuel distributor (18) arranged in the chamber (7) to distribute fuel introduced into the chamber (7) via the fuel inlet (8) to the outlets (10), said chamber (7) being delimited by at least one side wall (16) provided with said fuel inlet (8) and a first end wall (17) provided with said fuel outlets (10), wherein the fuel distributor (18) comprises a generally rotary symmetric distributor body (19) extending towards the first end wall (17) and ends at a given distance from the first end wall (17) and thereby being positioned in front of the fuel inlet (8) and cover the fuel inlet (8) when projected on the side wall (16), said fuel injector (2) configured to inject fuel into the combustion chamber (5) via the fuel outlets (10) of the fuel injector (1).

12. (Previously presented) An engine according to claim 11, wherein said engine is a jet engine and the combustion chamber (5) is an afterburner chamber.

13. (Previously presented) A jet engine comprising an afterburner chamber, the afterburner chamber comprising:

a fuel injector (2), comprising a chamber (7) with a fuel inlet (8) and a plurality of fuel outlets (10), and comprising a fuel distributor (18) with a generally rotary symmetric body (19) that is arranged in the chamber (7) for the purpose of distributing fuel introduced into the chamber (7) via the fuel inlet (8) to the outlets (10), and further comprising fuel injection tubes (11) connected to said fuel outlets (10) and extending into the afterburner chamber (5).

14. (Previously presented) A jet engine according to claim 13, further comprising:

a radial flame holder (12) and that the fuel injector tubes (11) extend into the afterburner chamber (5) upstream the radial flame holder (12) as seen in the gas flow direction in the afterburner.

15. (Canceled)

16. (Currently amended) A fuel injector (2) according to claim 18 ~~claim 15~~, wherein the outlets (10) extend through a first wall (17) defining the chamber (7), which has a different inclination relative to a second wall, through which the inlet (8) extends.

17. (Currently amended) A fuel injector (2) comprising a chamber (7) with a fuel inlet (8) and a plurality of fuel outlets (10) arranged through walls defining the chamber (7), and a fuel distributor body positioned at a distance from both the inlet (8) and the outlets (10) and positioned in front of the inlet (8) according to claim 15, wherein a first wall (17) comprising the fuel outlets forms a substantially flat bottom surface in the chamber (7) and a second wall comprising the fuel inlet forms a side wall extending from the first wall (17).

18. (Currently Amended) A fuel injector (2) comprising a chamber (7) with a fuel inlet (8) and a plurality of fuel outlets (10) arranged through walls defining the chamber (7), and a fuel distributor body positioned at a distance from both the inlet (8) and the outlets (10) and positioned in front of the inlet (8) according to claim 15, wherein a second wall comprising the fuel inlet forms a side wall extending from ~~the first~~ a first wall (17).

19. (Currently amended) A fuel injector (2) according to claim 18 ~~claim 15~~, wherein the chamber (7) has a cylindrical shape.

20. (Currently amended) A fuel injector (2) according to claim 18 ~~claim 15~~, wherein the fuel distributor (18) has a rotary symmetrical shape.

21. (Currently amended) A fuel injector (2) according to claim 18 ~~claim 15~~, wherein the fuel distributor (18) has an outer shape corresponding to an inner shape of the chamber (7).

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22. (Currently amended) A fuel injector (2) according to claim 18 ~~claim 15~~, wherein the fuel distributor (18) is rotationally fixed relative to the chamber (7).